

SESSION : 1

CLASS : 3

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 8

CHAPTER NAME : MEASUREMENT

SUBTOPIC : CONVERSION OF METRES INTO CENTIMETRES

CHANGING YOUR TOMORROW

Website: www.odmegroup.org

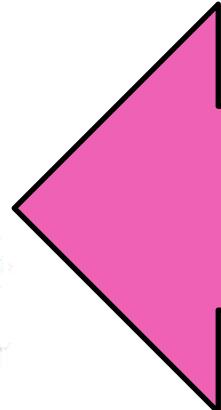
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MEASUREMENT

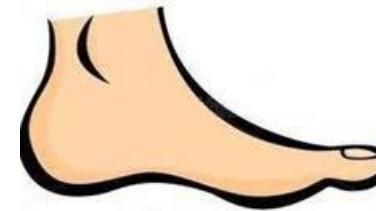
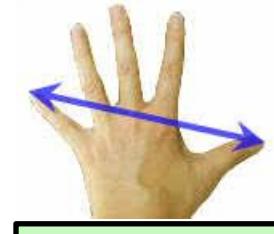
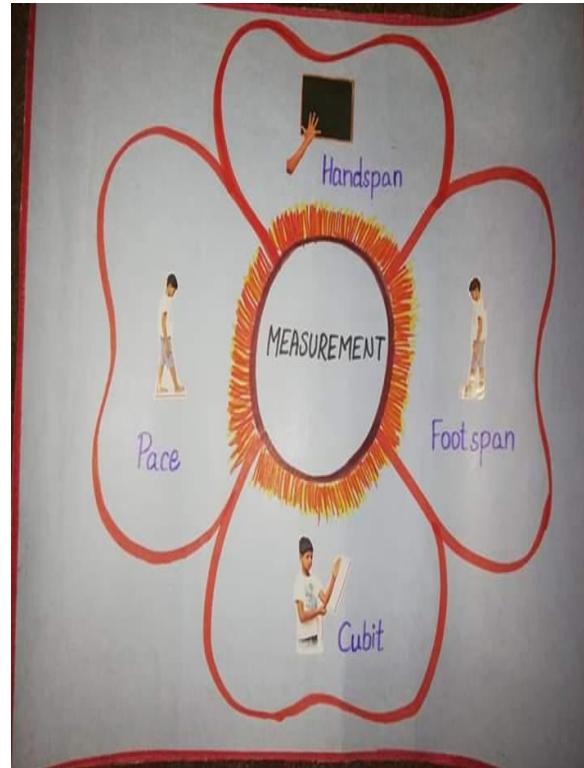
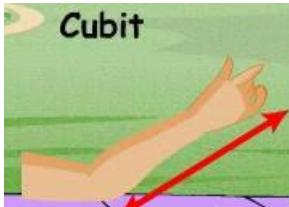
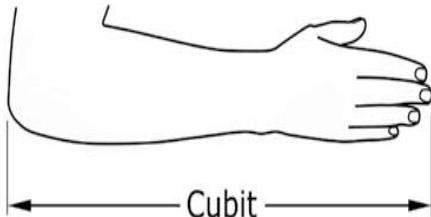
CONVERSION OF METRES INTO CENTIMETRES



Non-standard units were used in olden days and by the children to learn the concept of measurement without reading any scales. Some examples are as follows:

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CONVERSION OF METRES INTO CENTIMETRES

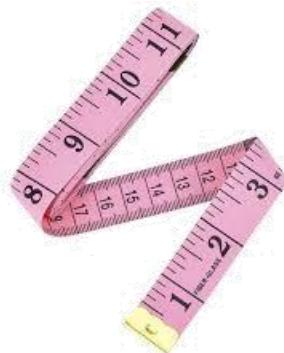


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CONVERSION OF METRES INTO CENTIMETRES

What is Length?

Length is the term used for identifying the size of an object or distance from one point to another. Length is a measure of how long an object is or the distance between two points.



Measuring Tape

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IMPORTANT POINTS TO REMEMBER

- 1. Non-standard Units of Length:** fingers, hand span, cubit, pace etc.
- 2. The smaller unit of length is centimetre.** We denote 'centimetre' by 'cm'. Length of line segments, length of a pencil, length of a paper etc.
- 3. Standard Unit of Length is metre.** We denote 'metre' by 'm'. Length of a wall, height of a pole, length of a cloth etc.

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4. The bigger unit of length is kilometre. We denote 'kilometre' by 'km'. Distance between two places or two cities.

5. The smallest unit of length is millimetre. We denote 'millimetre' by 'mm'.

6. $1 \text{ kilometer} = 1000 \text{ metres}$, $1 \text{ km} = 1000 \text{ m}$

7. $1 \text{ meter} = 100 \text{ centimetres}$, $1 \text{ m} = 100 \text{ cm}$

8. $1 \text{ centimetre} = 10 \text{ millimetres}$, $1 \text{ cm} = 10 \text{ mm}$

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1 metre (m) = 100 centimetres (cm)



To convert 'metres' into
'centimetres' we multiply
with 100

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1 centimetre (cm) = 10 millimetres (m)

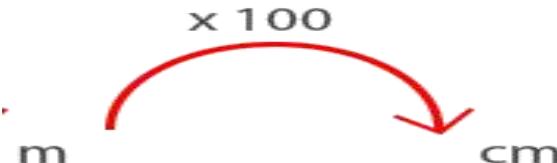


To convert 'centimetres'
into 'millimetres' we
multiply with 10



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For example:

$$1) 15 \text{ m}$$

$$= 15 \text{ m} \times 100$$

$$= 1500 \text{ cm}$$

$$2) 42 \text{ m } 5 \text{ cm}$$

$$42 \text{ m} = 42 \text{ m} \times 100 = 4200 \text{ cm}$$

$$42 \text{ m } 5 \text{ cm} = 4200 \text{ cm} + 5 \text{ cm} = 4205 \text{ cm}$$

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REMEMBER

Standard Unit
of Length is
metre.

We denote 'metre'
by 'm', 'centimetre'
by 'cm' and
'millimetre' by 'mm'.

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CONVERSION OF METRES INTO CENTIMETRES

**Exercise - 8 A Q. No A 1 to 10
book page - 105
in the notebook.**



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CONVERSION OF METRES INTO CENTIMETRES

Convert the following into centimetres.

1) 4 m

$$= 4 \times 100$$

$$= 400 \text{ cm}$$

2) 6.5 m

$$6 \text{ m } 50 \text{ cm}$$

$$6 \text{ m } = 6 \times 100 = 600 \text{ cm}$$

$$6.5 \text{ m } = 600 \text{ cm } + 50 \text{ cm } = 650 \text{ cm}$$

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3) 25 m

$$= 25 \times 100$$

$$= 2500 \text{ cm}$$

4) 34 m

$$= 34 \times 100$$

$$= 3400 \text{ cm}$$

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5) 37 m

$$= 37 \times 100$$

$$= 3700 \text{ cm}$$

6) 64 m

$$= 64 \times 100$$

$$= 6400 \text{ cm}$$

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7) 83 m

$$= 83 \times 100$$

$$= 8300 \text{ cm}$$

8) 1 m 30 cm

$$1 \text{ m} = 1 \times 100 = 100 \text{ cm}$$

$$1 \text{ m } 30 \text{ cm} = 100 \text{ cm} + 30 \text{ cm} = 130 \text{ cm}$$

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9) 6 m 28 cm

$$6 \text{ m} = 6 \times 100 = 600 \text{ cm}$$

$$6 \text{ m } 28 \text{ cm} = 600 \text{ cm} + 28 \text{ cm} = 628 \text{ cm}$$

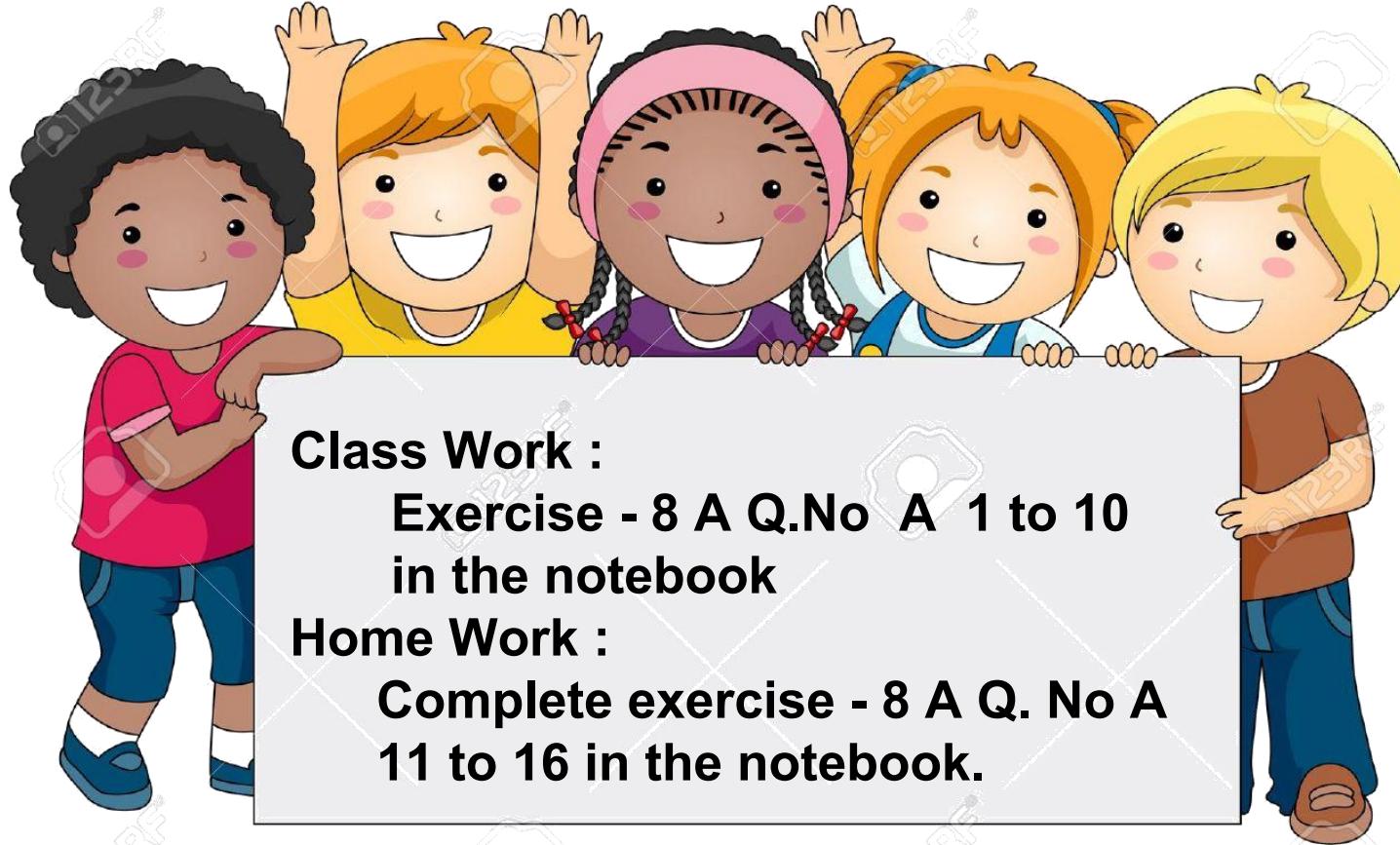
10) 14 m 30 cm

$$14 \text{ m} = 14 \times 100 = 1400 \text{ cm}$$

$$14 \text{ m } 30 \text{ cm} = 1400 \text{ cm} + 30 \text{ cm} = 1430 \text{ cm}$$

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Class Work :

**Exercise - 8 A Q.No A 1 to 10
in the notebook**

Home Work :

**Complete exercise - 8 A Q. No A
11 to 16 in the notebook.**

LEARNING OUTCOME:

Children will be able to estimate the length and distance. Use standard units like centimetres or metres to estimate the length and distance. Also identify the relationship between centimetres and metres. Measure the length of objects in their surroundings by using scales.

THANKING YOU
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